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PHOTOGRAPHIC INTELLIGENCE REPORT

KAZAN AIRCRAFT ENGINE PLANT NO 16

KAZAN, USSR

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KAZAN AIRCRAFT ENGINE PLANT NO 16
KAZAN, USSR

25X1A Kazan Aircraft Engine Plant No 16 (BE No [REDACTED]) is located at 55-51-28N 49-06-30E in the northern suburbs of Kazan, USSR (Figure 1). The plant is approximately 1 nautical mile southwest of Kazan Airfield North (BE No [REDACTED]) and is both road and rail served. Immediately to the east of Plant No 16 is Kazan Airframe Plant Gorbunov No 22 (BE No [REDACTED]).

25X1A When observed on TALENT photography of [REDACTED] Kazan Aircraft Engine Plant No 16 contained approximately 2,027,030 square feet of floorspace (Figure 2). A comparison of

this photography with KEYHOLE photography of [REDACTED] reveals additions totaling approximately 218,025 square feet (Figures 2 and 3). These additions bring the total amount of floorspace as of [REDACTED] to 2,245,055 square feet.

New construction since [REDACTED] includes a machine shop/subassembly building (item 7, Figure 3), a machine shop (item 9), and an addition of 43,125 square feet to the shop/engineering building (item 3). The construction of the machine shop/subassembly building (item 7) was underway in [REDACTED].

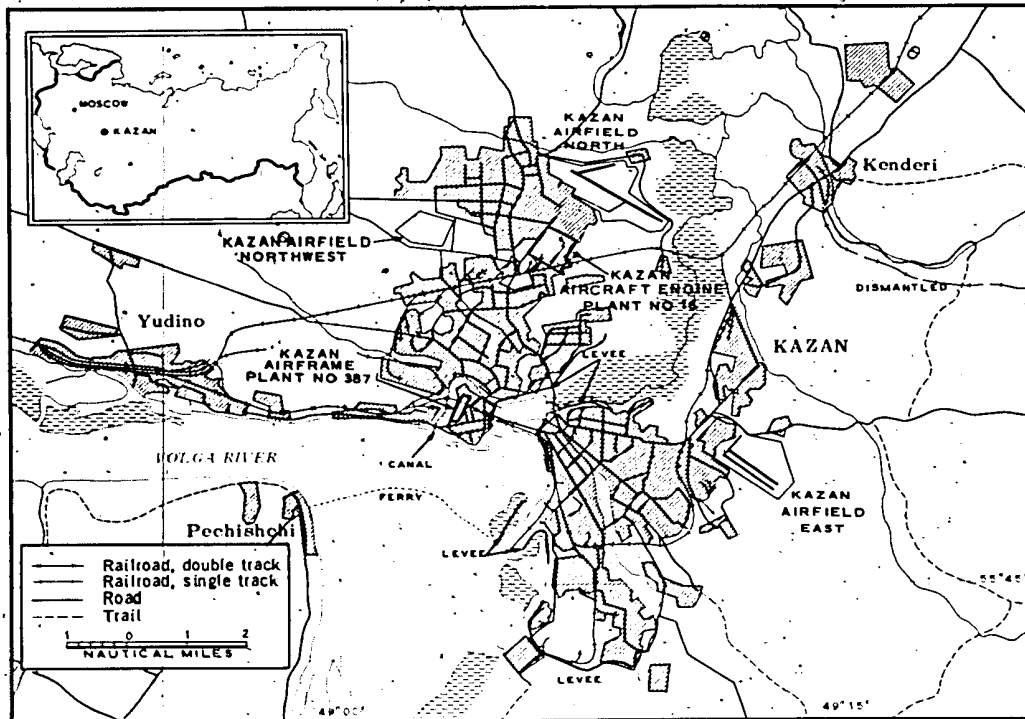


FIGURE 1. LOCATION MAP.

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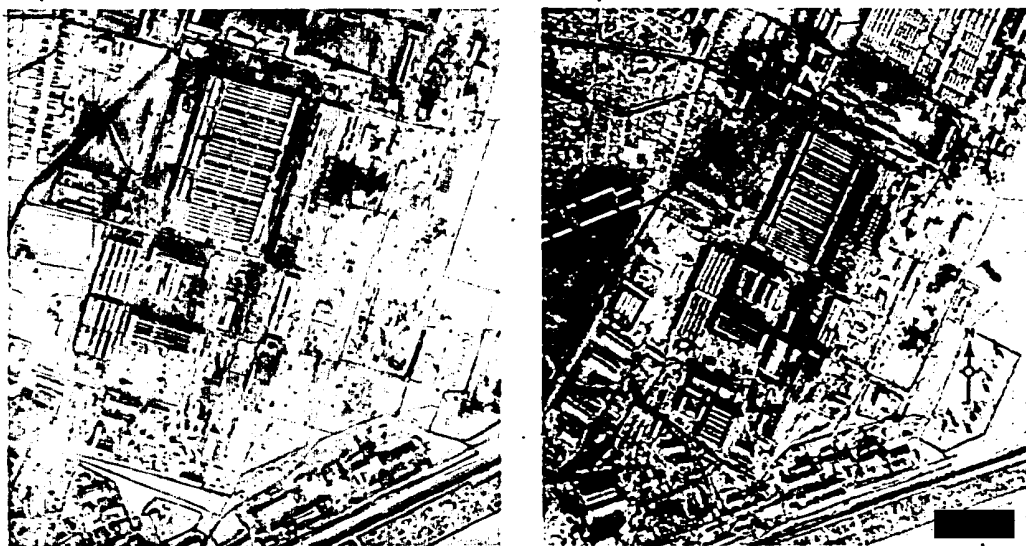


FIGURE 2. KAZAN AIRCRAFT ENGINE PLANT NO 16.

Table 1. Descriptions and Dimensions of Structures in the Kazan Aircraft Engine Plant No 16 (Item numbers are keyed to Figure 3)

Item	Description	Floorspace (sq ft)	Volume (cu ft)
1	Machine shop/assembly building	951,400	32,702,700
2	Engine assembly/test building	205,100	7,335,400
3	Shop/engineering building	112,410	5,620,500
4	Machine shop	265,000	13,647,500
5	Machine shop/subassembly building	99,120	5,748,960
6	Possible forge/foundry building	33,000	825,000
7	Machine shop/subassembly building	130,650	5,040,750
8	Machine shop/storage building	169,625	7,423,675
9	Machine shop	44,250	1,327,500
10	Shop/Engineering building	22,800	1,003,200
11	Workshop	63,700	2,930,200
		2,097,055	83,605,585
	Other shops	25,800**	324,500**
	Other storage/support buildings	122,200**	1,303,500**
	Total:	2,245,055	85,233,585

*All dimensions are approximate and were calculated by photogrammetrists in NPIC, TID except as indicated.

**Measurement (s) made by IAD, IB analyst.

25X1D

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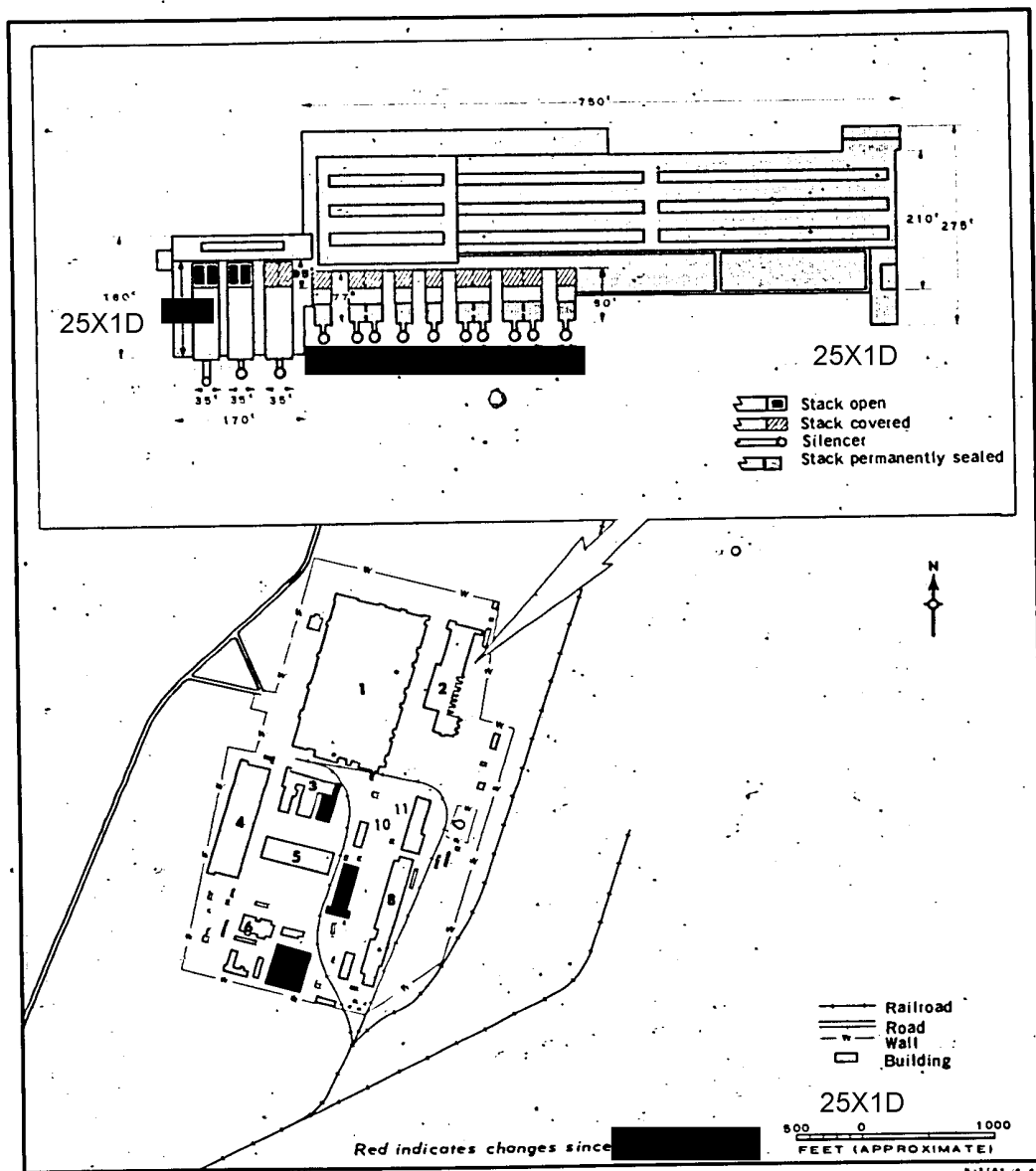


FIGURE 3. KAZAN AIRCRAFT ENGINE PLANT NO 16 AND PLAN VIEW OF ENGINE ASSEMBLY TEST BUILDING. (Item numbers are keyed to Table 1.)

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25X1D [redacted] and was complete by [redacted] The machine shop (item 9) was under construction by [redacted] and was complete by [redacted]

25X1D [redacted] Construction of the addition to the shop/ engineering building (item 3) was underway in

25X1D [redacted]

A detailed plan view of the engine assembly/ test building (item 2) is presented on Figure 3. Originally, 3 of the test cells of this building

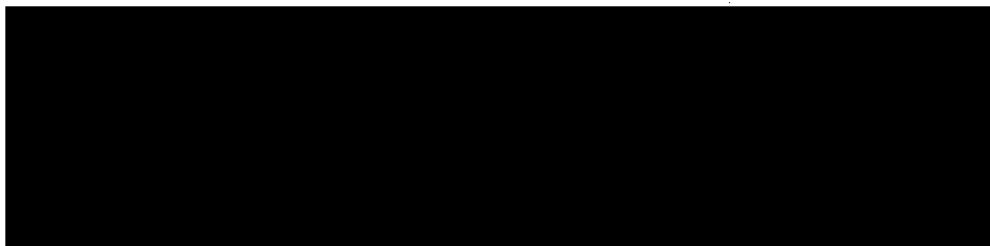
were L shaped, the others were U shaped, and one of the L-shaped cells was equipped with a silencer. By [redacted] however, the U-shaped test cells appeared to have been converted to L-shaped cells, and all the test cells had been equipped with silencers (Figure 3).

Descriptions and dimensions of the principal structures contained in this plant are presented in Table 1 which is keyed to Figure 3.

REFERENCES

PHOTOGRAPHY

25X1D



MAPS OR CHARTS

ACIC. US Air Target Mosaic, Series 25, Sheet 0165-9999-2-25MA (prov), 3d ed, Jun 65, scale 1:25,000 (SECRET)

SAC. US Air Target Chart, Series 200, Sheet 0165-1AL, 2d ed, Mar 61, scale 1:200,000 (SECRET)

RELATED DOCUMENT

25X1C

[redacted]

REQUIREMENT

CIA. C-RR4-81,348 (Revised)

PROJECT

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